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| <b>UTILITY<br/>PATENT APPLICATION</b><br><br><b>TRANSMITTAL</b><br><br><i>(Only for original applications)</i> | Attorney Docket No. 1508.1021<br><br>First Named Inventor or Application Identifier:<br>Wan Hyuk YOON<br><br>Express Mail Label No.       |
| <b>APPLICATION ELEMENTS</b><br><i>See MPEP chapter 600 concerning utility patent application contents.</i>     | ADDRESS TO:<br><b>Commissioner for Patents</b><br><b>Box Patent Application</b><br><b>PO Box 1450</b><br><b>Alexandria, VA 22313-1450</b> |

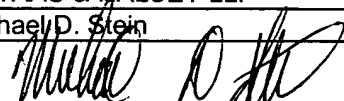
03940 U.S. PTO  
 10/674479


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1. ☒ Fee Transmittal Form
2. ☒ Specification, Claims & Abstract .....[Total Pages: 26]
3. ☒ Drawing(s) (35 USC 113) .....[ Total Sheets: 13 ] [FIGS. 1-7, 8a-q, and 9-10 ]
4. ☒ Oath or Declaration .....[ Total Pages: 1 ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))
    - i. ☐ DELETION OF INVENTOR(S)  
 Signed statement attached deleting inventor(s) named in the prior application,  
 see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☒ Small Entity Status
6. ☐ Application Data Sheet. See 37 C.F.R. 1.76
7. ☐ Applicant claims foreign priority benefit to: Application filed
8. ☐ CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)
9. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies
10. ☐ For publication of assignee information under 37 CFR 1.215(b), list the assignee as of . The Assignment papers will be filed later.

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| <b>ACCOMPANYING APPLICATION PARTS</b>   |
| <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> Assignment (cover sheet &amp; document(s)) to of<br/> <input type="checkbox"/> for publication of assignee information under 37 CFR 1.215(b)</li> <li>12. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney</li> <li>13. <input checked="" type="checkbox"/> English Translation Document (if applicable)</li> <li>14. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</li> <li>15. <input checked="" type="checkbox"/> Preliminary Amendment</li> <li>16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</li> <li>17. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</li> <li>18. <input type="checkbox"/> Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</li> <li>19. <input type="checkbox"/> Other:</li> </ol> |

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| <b>20. CORRESPONDENCE ADDRESS</b>  |
| <br><b>21171</b><br>PATENT TRADEMARK OFFICE |

|  |   |   |                     |                                  |                  |               |        |
|--|---|---|---------------------|----------------------------------|------------------|---------------|--------|
| <b>NEW APPLICATION<br/>FEE TRANSMITTAL</b>   |   | Attorney Docket No.   |                     | 1508.1021                        |                  |               |        |
|  |   | Application Number  |                     | Unassigned                       |                  |               |        |
|  |   | Filing Date   |                     | October 1, 2003                  |                  |               |        |
| AMOUNT ENCLOSED  |   | \$ 986.00   |                     | First Named Inventor             |                  | Wan Hyuk YOON |        |
| <b>FEE CALCULATION</b> (fees effective 10/01/03)   |   |   |                     |                                  |                  |               |        |
| CLAIMS   | (1) FOR   | (2) NUMBER<br>FILED   | (3) NUMBER<br>EXTRA | (4) RATE                         | (5) CALCULATIONS |               |        |
|  | TOTAL CLAIMS  | 32 - 20 =   | 12                  | X \$ 18.00 =                     | \$ 216.00        |               |        |
|  | INDEPENDENT<br>CLAIMS   | 3 - 3 =   | 0                   | X \$ 86.00 =                     | 0.00             |               |        |
|  | MULTIPLE DEPENDENT CLAIMS (any number;<br>if applicable)                            |   |                     | + \$290.00 =                     |                  |               |        |
|  |   |   |                     | BASIC FILING<br>FEE              | 770.00           |               |        |
|  |   |   |                     | Total of above<br>Calculations = | \$ 986.00        |               |        |
|  | Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f))<br>(\$130.00)   |   |                     |                                  |                  |               |        |
|  | Reduction by 50% for filing by small entity (37 CFR 1.27).                          |   |                     |                                  |                  |               | 493.00 |
|  |   |   |                     | TOTAL FILING<br>FEE =            | \$ 493.00        |               |        |
|  | Surcharge for filing non-English language application (\$130.00;<br>37 CFR 1.52(d)) |   |                     |                                  |                  |               |        |
|  | Recordation of Assignment (\$40.00; 37 CFR 1.21(h))                                 |   |                     |                                  |                  |               |        |
|  |   |   |                     | TOTAL FEES<br>DUE =              | \$ 493.00        |               |        |
| <b>METHOD OF PAYMENT</b>   |   |   |                     |                                  |                  |               |        |
| <input checked="" type="checkbox"/> Check enclosed as payment.<br><input type="checkbox"/> Charge "TOTAL FEES DUE" to the Deposit Account No. below.<br><input type="checkbox"/> No payment is enclosed and no charges to the Deposit Account are authorized at this time<br>(unless specifically required to obtain a filing date).   |   |   |                     |                                  |                  |               |        |
| <b>GENERAL AUTHORIZATION</b>   |   |   |                     |                                  |                  |               |        |
| <input checked="" type="checkbox"/> If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby<br>authorized to credit any overpayment or charge any additional fees necessary to:  |   |   |                     |                                  |                  |               |        |
| Deposit Account No.  |   | 19-3935   |                     |                                  |                  |               |        |
| Deposit Account Name   |   | STAAS & HALSEY LLP  |                     |                                  |                  |               |        |
| <input checked="" type="checkbox"/> The Commissioner is also authorized to credit any overpayments or charge any additional fees<br>required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the<br>prosecution of this application, including any related application(s) claiming benefit hereof<br>pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or<br>continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any<br>such related application. |   |   |                     |                                  |                  |               |        |
| <b>SUBMITTED BY: STAAS &amp; HALSEY LLP</b>  |   |   |                     |                                  |                  |               |        |
| Typed Name   |   | Michael D. Stein  |                     | Reg. No.                         |                  | 37,240        |        |
| Signature  |   |  |                     | Date                             |                  | 10/1/03       |        |



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